

*Hatchery Reform
Scientific Review
Group*

CALL FOR PREPROPOSALS FOR HATCHERY SCIENTIFIC RESEARCH PROJECTS

PREPROPOSALS DUE JANUARY 7, 2000

DECEMBER 8, 1999
(This announcement
replaces the previous
announcement dated
December 3, 1999)

Hatchery Scientific Research Preproposal: General Instructions

The U.S. Congress has appropriated \$700,000 for funding scientific research projects in FY 2000 to support the goals of hatchery reform in Puget Sound and the Washington coast (exclusive of the Columbia River and its tributaries).

The Goals of hatchery reform are to conserve indigenous genetic resources, assist with the recovery of naturally spawning populations, provide for sustainable fisheries, conduct scientific research, and improve the quality and cost-effectiveness of hatchery programs.

Preproposals for funding are now being considered by the Hatchery Science Advisory Team appointed by Senator Gorton. Instructions for preparing preproposals are herewith provided. Applicants with preproposals selected for further consideration will be asked to prepare final proposals.

Preproposals will be judged on scientific merit, the qualifications of the investigators, and the potential to achieve results applicable to hatchery reform goals.

Of particular interest are preproposals that:

- Improve knowledge of impacts, benefits and cost-effectiveness of salmon¹ hatcheries;
- Support collaboration with multiple researchers;
- Provide quantifiable results;
- Include matching funds (non-federal and/or federal).

Successful proposals are likely to fall into one of the following categories:

- Ecological and genetic interactions;
- Increasing survival of hatchery releases;
- Identifying or reversing the biological or management effects of fishery selectivity;
- General hatchery reform.

Outstanding preproposals in other areas of Hatchery Reform will be considered also.

Instructions:

- Complete one preproposal per project. It is preferred to use an electronic version (either diskette or email can be provided). The application forms are in MS-Word 7 for Windows 95. Save the file on a diskette and return it with a hard (paper) copy of each preproposal.
- A completed preproposal consists of a signed cover page (Sections 1-2), a second page of summary information (Sections 3-5), a project abstract (Section 6), a project description (Section 7), an itemized budget (Section 8), a map or description of study area (Section 9), one-page biographical sketches of each investigator (Section 10), and attached letters of support/cooperation from partnership groups, if applicable (Section 11).
- **One original and nine (9) photocopies of the completed and signed preproposal, including diskette, must be received by January 7, 2000, 4:00 pm, at:**

Hatchery Scientific Review Group
c/o Interagency Committee for Outdoor Recreation OAQ
1111 Washington Street SE
PO Box 40917
Olympia, Washington 98504-0917

¹Any references to "salmon" includes Pacific salmon and anadromous trout (e.g. steelhead) of the genus *Oncorhynchus*.

- Successful preproposal applicants will be contacted the week of January 10-14, 2000 and asked to prepare full proposals after discussion of final project parameters.
- Applicants with full proposals approved for funding will be required to sign a Project Agreement which will incorporate the full proposal, negotiated parameters, and any required federal terms and conditions as appropriate, with subsequent contract finalization with the IAC.
- Materials submitted in response to this grant announcement shall become the property of the Interagency Committee for Outdoor Recreation and shall be deemed public records.

The facsimile (FAX) may be used for all communications except the application.

Address questions to one of the following:

Terry Wright

Lee Blankenship

Don Campton

E-mail: twright@nwifc.wa.gov

E-mail: blankhlb@dfw.wa.gov

Don_Campton@fws.gov

TEL: 360-438-1180

TEL: 360-902-2748

TEL: 360-425-6072

FAX: 360-753-8659

FAX: 360-902-2944

FAX: 360-636-1855

EXAMPLES OF POTENTIAL RESEARCH TOPICS

ECOLOGICAL AND GENETIC INTERACTIONS

- Impacts to long-term fitness of a wild stock, from wild fish reared in a hatchery, or from wild and hatchery fish interactions or interbreeding in the wild
- Impacts of interactions between hatchery and wild juveniles
- Effects of carrying capacity

INCREASE SURVIVAL AND/OR COST EFFECTIVENESS OF HATCHERY RELEASES

- Production levels
- Natural rearing
- Nutrition
- Fish health
- Release strategies
- Potential role of private sector

BIOLOGICAL AND MANAGEMENT EFFECTS OF FISHERY SELECTIVITY

- Changes in size
- Sex ratio
- Age at maturity
- Mitigation techniques

GENERAL HATCHERY REFORM

- Carcass distribution
- Effects of hatcheries on the biology of the fish
- Captive broodstock (re-introduction)
- Domestication selection
- Reproductive fitness of hatchery fish (genetic and environmental components)
- Sterilization/Triploidy

Multiple year projects are encouraged, but funds will only be awarded on a year-to-year basis.

COVER PAGE: Hatchery Reform Research Preproposal

1. Summary and Authorization

Project Title:

Desired Project Period

From:

To:

Total Requested Funds: \$

Matching funds available: \$

The Scientific Review Team is requested to consider the following research preproposal for financial assistance. We agree to cooperate with the Team and IAC by furnishing such additional information as may be necessary to execute an IAC Project Agreement and to adhere to all appropriate state and federal statutes governing grant monies under the Project Agreement. We are aware that the grant, if approved, is paid on a reimbursement basis.

I/we certify that to the best of our knowledge, the data in this application is true and correct. In addition, I/we certify that the matching resources identified in the grant are committed to the above project. I/we acknowledge responsibility for supporting all non-cash commitments and donations should they not materialize.

Authorized Representative:

(signature)

(date)

Printed Name and Title:

Organization:

2. Proposal/Project Contact Person

(Who is the project's primary, investigator, and how do we communicate with,that person?)

Last Name:

First Name:

Title:

Email:

Organization:

Address:

Work Phone:

City/Town:

Cell phone:

State, Zip:

FAX:

3. Applicant/Organization Information (For the organization which seeks funding)

Organization Name:

Organization Address:

Address:

City/Town:

County:

State, Zip:

TEL:

FAX:

E-mail:

Billing Information:

Payee Name:

Accounting official:

Address:

City/Town:

State, Zip:

TEL:

FAX:

Email:

4. Project Location Information (WRIA refers to the state Water Resources Inventory Area)

Site Name or Hatchery Name

Waterbodies Impacted (include main river tributaries and marine habitats)

Counties

City/Town (if applicable)

WRIA Number

WRIA Name

WRIA Number

WRIA Name

5. Funding Request and Source of Match

Amount Requested from the Hatchery Scientific Research Program: \$_____ [a]

Applicant's Matching Share (put sources in parentheses). Match is optional.

Appropriation/Cash () \$_____

Agency Budget () \$_____

Donation () \$_____

In-kind (e.g. personnel, supplies, etc.) () \$_____

Non-federal grants () \$_____

Total matching funds that can be devoted to proposed project: \$_____ [b]

Total budget for proposed project [c= a+b]: \$_____ [c]

6. Project Abstract

This description becomes part of a one-page project résumé made available to legislators and the public who inquire about your project. It is very important to be concise and thorough. **This narrative is a succinct summary of your project description (Section 7)** and must include major objectives and anticipated outcome/benefits in relation to hatchery reform. Include brief statements of methods, project location, geographic scope, targeted species/stocks, partnership groups, timeframe, and other key attributes of your project. **Describe how the project results will be disseminated or implemented. The database limits the space for this narrative to 1,500 characters** (250 words, including spaces). Text in excess of this character limit will be deleted.

7. Project Description

Please use each of the following ten (10) headings, in sequence, to provide the information requested. **Use three pages, maximum, single sided, to describe your proposed project.** You must provide information under each heading. Your description below should include information on project location, geographic scope, and targeted species/stocks.

1. **Project title:**
2. **Principal Investigator(s):** Name and organization of each P.I.
3. **Associate Investigator(s):** Name and organization of each A.I. If none, type "None."
4. **Project Goal:** Succinctly describe, in 1-2 sentences, the specific result or end product that your proposed project intends to achieve. Also, as appropriate, state the hypotheses to be tested.
5. **Objectives:** Please number and list the objectives of the proposed work. Each objective should begin with an active verb (e.g. "Test", "Measure", etc.). Describe both the scientific and management purposes, where appropriate. This section should not exceed 10 lines.
6. **Study design and methods:** Succinctly describe the general methods for achieving the objectives and project goal. What is the overall study design? How will specific hypotheses be tested? Methods or approaches should be numbered and correspond 1:1 with each objective.
7. **Rationale/Justification:** Describe the problem, question, or opportunity. In most cases, 1-2 sentences can describe the broad problem area or research opportunity, and an additional 1-2 sentences can describe the proposed scientific need or approach. How does the proposed project fit into the overall goals of hatchery reform (as stated in the general instructions)?
8. **Partnership groups:** List and briefly describe partnership groups (e.g. sportfishing groups, community clubs, etc.) that support or will cooperate with the proposed project. Type "None identified to date" if this is the case. Letters of support and/or cooperation from each listed group should be attached to the end of the hardcopy preproposal packet (see Section 11).
9. **Anticipated outcomes/benefits:** Describe the expected outcomes/benefits of the project, including a statement of how the results can be applied to the problem or opportunity addressed. **Include a timeline for completing each of the numbered objectives under item 5.** This timeline should end with a planned submission date (mo/yr) of an annual (final) report.

10. Budget justification: Provide a one-sentence justification for each budget line item for which funds are requested in Section 8 below (e.g. "The Fishery Biologist 2 will..."). Budget justifications must be provided for personnel, equipment, supplies, operational expenses, travel, and other major direct and indirect costs (overhead) for which funds are requested.

8. Itemized Budget

On a separate page (sheet of paper), present a detailed, itemized budget or the proposed project. Separate categories should be listed for personnel (salary + fringe), equipment, expendable supplies and chemicals, operational expenses, travel, publication costs, and indirect costs. Personnel costs should indicate for each position listed, percent FTE time committed to the project. Two columns of dollars should be presented: (1) a column for the requested funds and (2) an adjacent column showing available matching funds. The sum total at the bottom of each column will equal the quantities "[a]" and "[b]", respectively, in Section 5.

9. Map or Location Description of Study Area

Provide a map and/or location description of the proposed research site or study area. This should provide the supplemental details to the database information of Section 4.

10. Biographical Sketches

Please complete a one-page biographical sketch for each principal and associate investigator listed in sections 2 and 3 of the Project Description. Use the format shown below for these sketches. List, at most, five of the most relevant publications for each investigator.

Name (First, MI, Last):

SS#:

Title, Organization:

Address:

TEL:

FAX:

Email:

Education (*most recent first*)

(*Degree, Major, Institution, City, State, Year*)

Professional experience / Positions held (*current or most recent first*)

(*Position title, organization, city, state, mo/yr-mo/yr*)

Selected Publications (*max. of 5; most recent first*)

(*Authors, year, title, publication*)

11. Letters of Support/Cooperation from Partnership Groups

Attach letters of support/cooperation from each Partnership Group identified under heading 8 of the Project Description. Original, signed letters on organizational letterhead are desired but clear FAXed copies with legible signatures will be accepted. Printed copies of Email letters (i.e., without signatures) will not be accepted.